Instructions for completing Physical Collocation Application Form

The following instructions provide a line-by-line instructions and, where needed, explanations to assist the collocation applicant in completing the application form. A complete and accurate application is essential to avoid delays in processing the request for collocation.

SECTION	INFORMATION
1-1	Name of the Company requesting collocation in SWBT.
1-2	Address of the Company.
1-3	The person to whom questions can be referred concerning the application form, his/her telephone number and the FAX number SWBT completed information can be sent to.
1-4	The name of the individual that has read and understood the "Interconnector's Technical Publication for Physical Collocation" binder of guidelines document. This could be same individual listed in 1-3.
1-5	The name, address, and CLLI of the specific SWBT central office for which the collocation inquiry is being submitted. The associated 8 digit CLLI is as it appears in FCC Tariff No. 4.
1-6	Specify the desired term of the collocation agreement either by checking the month to month box or by entering the number of years you would like the agreement to be in effect.
2	SWBT will complete this section.
3-1	The interconnector will identify the appropriate number of equipment frames it intends to install within any physical collocation space. This information will be used by SWBT to verify the amount of space, power requirements and design layout of the space/cage where the interconnector will be located.
3-2	The interconnector will specify the amount of floor space required in increments of 100 sq. ft.
3-3	The interconnector will attach a scaled floor plan of its proposed equipment layout with its initial application form. The scaled floor plan will include the size and desired location of: - framed openings for cable access - the entrance door (size will be 3' x 7') - two duplex convenience outlets - a "top-view" layout of the frames they intend to install within their space/cage, including where they intend to have the POT frame installed Note: SWBT will attempt to accommodate the interconnectors desired layout, subject to local building conditions.

3-4	The interconnector should list any requirements not covered in this application.
4	The insurance information specified in section 1.5 must accompany the application form.
5-1	SWBT has developed two 48v DC Power Arrangements : -Two (2) separate 20 ampere (total 40 ampere) load circuits, -Two (2) separate 50 ampere (total 100 ampere) load circuits. The interconnector specifies the quantity of each Point of Termination Power Arrangement it considers applicable to the 48V DC power and ground needs of the present and future equipment it will be installing in its collocation space. The interconnector may specify larger power feeders as detailed in section 3.B.1.8.D. It is essential that the interconnector take great care in specifying the size of power loads. The overall reliability of the interconnector's service could be affected by improperly sized loads. The interconnector should take care to allow for capacity needed if its equipment requires that one load be sized to handle the entire 48V drain if the other load fails. In addition, consider the added current requirements that might be required to operate in low voltage emergency conditions. The service requested must be sized to handle the maximum expected current.
5-2	The interconnector will provide a three-year forecast of its -48V DC power requirements. This requirement differs from section 5.1 (above) in that this requirement should be the actual drain expected under normal operating conditions. It could be considerably less than the capacity requested in 4.1. SWBT requires this information in order to include the interconnector's forecast with SWBT's forecasted requirements for DC power. The combined information is used for power plant sizing data. In addition, adequate environmental control of the cage/space area must also be provided. The present and three-year forecasted power consumption of the interconnectors equipment is utilized for sizing the HVAC systems.
5-3	The interconnector will provide its AC power requirements.
5-4	The one-year forecast of DS1/DS3 and/or VG circuit quantity the interconnector expects to establish in this central office. This information will be used by SWBT to size the interconnect panels for both the POT frame and/or SWBT's DSX/VG- frames, order and install the required number of connectorized shielded pair and/or coaxial cables, circuit modules, and other administrative/support material to satisfy the interconnectors requirements.
5-5	The interconnector must specify the number of DS-1, DS-3 and VG tie pairs. Either SWBT or the interconnector will install the specified equipment in the POT frame (SWBT in all cases will install the POT Frame Power Panel where it is required). SWBT will install associated cabling and termination equipment on SWBT frames.

5-6 If the interconnector requests synchronization (checks the yes box), it must request DS1 service in which SWBT will provide one source (no backup) or two sources (primary and secondary). The interconnector must also answer the questions in this section as accurately as possible to assure the proper sync arrangement is provided.

5-7 The interconnector will identify the CLLI of any other physically collocated interconnector within the same central office to whom it wants to connect conduit.

6-1 The interconnector will request a date it would like central office space made available for physically collocating in the identified office. SWBT will make space available to the interconnector in accordance with the Physical Collocation Agreement.

6-2 The interconnector will identify the type and quantity of equipment (by manufacturer) it plans to install in their collocated space. This information will be used to review the Bellcore Network Equipment Building Systems (NEBS) data sheets to obtain the actual DC current drain, physical data (height, depth, weight, minimum front and rear aisle dimensions, heat release, etc.) and frame outline (equipment "footprint") requirements for floor space determination.

7-1 SWBT will provide two separate points of entry to a central office, whenever there are at least two entry points for its own cable and space is available. In those offices where only one point of entry is used for SWBT's facilities, only one entry point will be provided to an interconnector. By checking "yes", the interconnector will identify its desire for route diversity. In those offices where only one point of entry is used for SWBT's facilities, SWBT will keep a record of the interconnector's desire for alternate entry. Should SWBT provide another entry for its use, the interconnector will be notified that diversity at the office is available.

7-2 In order for SWBT to identify the entrance manhole(s) for the interconnector, the path and direction from which the cable is arriving at the central office must be specified by the interconnector.

7-3 The interconnector will provide the number of cables and the outside diameter of each of the cables on the Application Form. SWBT will have responsibility for extending the cable(s) from the entrance manhole(s) through the designated path and into the partitioned space.

Note: To satisfy the fire resistance requirements necessary for material in a central office, the interconnector supplied dielectric fiber optic cable will be placed in innerducts within the metallic conduit in the central office. With the use of innerduct, the outside diameter of the fiber cable shall not exceed .75 in. (OD)

7-4 The interconnector will provide SWBT with the type of cable and the name of the cable manufacturer it plans to use. With this information, SWBT should be able to determine the cable makeup, the cable pulling tension and what the inner strength members consist of. If SWBT

cannot determine this information, the interconnector contact identified on the application form, will be called to provide the necessary information to SWBT.

7-5 The interconnector will designate the individual in its company and the individual's telephone number, SWBT is to provide cable length information to. This individual will also serve as the point of contact between the interconnector and SWBT, should SWBT have questions concerning the cable (e.g., cable makeup, etc.)

7-6 The SWBT engineers will complete this portion of Section 7 and forward the information to the interconnector's designated contact.

The entrance manhole(s) will be designated by SWBT and provided to the interconnector following review and verification by SWBT that vacant access sleeves or riser ducts exist at the entrance manhole(s).

If no spare entrance facility exists, a work order may be issued to vacate or create one for the interconnector's use. Such a project would be done as an Outside Plant Custom Work Order and would generate billing for the extraordinary costs incurred as a result of the interconnector's request. When a Custom Work Order will be required, estimated charges will be quoted and advance payment consistent with current practices will be required prior to starting the work.

SWBT will provide the interconnector with the total length of unbroken dielectric cable(s) the interconnector must furnish to extend from outside the entrance manhole(s) through the designated path and into the partitioned space.

Quotation and Confirmation (Page 6)

Line 3 The interconnector is responsible for providing to SWBT an individual's name (or organization title), their contact number and FAX number that is readily accessible 24 hours a day. The individual or organization identified will be used primarily for technical consultation between the two companies (e.g., testing, service restoration, etc.).

Dates: The equipment installed date and SWBT completion date may be the same date if building alteration work for collocation has already occurred (i.e., space/cage is available for installing the necessary POT frame material). If building work has not previously occurred in the central office (e.g., first interconnector request in the office), the ordering and shipment of material from outside equipment vendors to the location, installation interval and SWBT test and acceptance interval will be the determining factor for establishing this date.

SWBT will identify and confirm the actual equipment installed date with the identified interconnector contract. SWBT will provide the interconnector, as part of the "Confirmation For Collocation" portion of the Physical Collocation Application Form and a copy of the central office floor plan layout showing their space/cage arrangement in the designated central office.

Work Completion Form (Page 7)

When SWBT has completed all installation work associated with the collocation request, the date the work was completed will be documented and furnished as part of the "Physical Collocation Work Completion" form.

The occupancy date identified by SWBT starts the 60 day clock for the interconnector to place transmission equipment in the partitioned space. Unless there are circumstances beyond its control and SWBT is formally notified of the circumstances, if the interconnector fails to place equipment in their space within the 60 day period, the partitioned space reverts to available space for SWBT or any other interconnector's use.

If there are any exceptions to construction work that SWBT believes the interconnector needs to be informed of, such exceptions will be documented on the completion form. Should the interconnector require more information about the listed exception(s), SWBT technical staff will be contacted to interface with the interconnector.

The remaining portion Preparation Charges are due in accordance with the Physical Collocation Agreement between SWBT and the interconnector.

PHYSICAL COLLOCATION APPLICATION FORM

Section 1 - General Information

1 INTERCONNECTOR: _____ ACNA: _____

2. ADDRESS : _____

CITY / STATE: _____

3. CONTACT NAME: _____

PHONE: _____ FAX: _____ EMAIL: _____

4. I HAVE READ AND UNDERSTAND SWBT's COLLOCATION TECHNICAL STANDARDS AS PUBLISHED IN THE SOUTHWESTERN BELL INTERCONNECTOR'S TECHNICAL PUBLICATION FOR PHYSICAL COLLOCATION:

NAME: _____

SIGNATURE: _____ DATE: _____

5. COLLOCATION CENTRAL OFFICE: _____

CLLI: _____ ADDRESS: _____

CITY / STATE: _____

6. TERM DESIRED FOR THIS AGREEMENT: MONTH TO MONTH -or- YEARS

Section 2 - For SWBT Use :

DATE / TIME RECEIVED: _____/_____

CASE #: _____

ICSC:

1. NAME: _____ ADDRESS: _____

CITY / STATE: _____

PHONE: _____ FAX: _____ EMAIL: _____

CASE #: _____ CLLI: _____

BAN #: _____ ORDER #: _____

Assigned SWBT Interconnection Coordinator:

2. NAME: _____ ADDRESS: _____

CITY / STATE: _____

PHONE: _____ FAX: _____ EMAIL: _____

3. Date FAX sent to SWBT interconnection coordinator: _____

PHYSICAL COLLOCATION APPLICATION FORM

ACNA: _____ CLLI: _____

Section 3 - Floor Space Requirements

1. NUMBER OF POT FRAMES TO BE INSTALLED: _____
2. NUMBER OF VOICE GRADE POT FRAMES TO BE INSTALLED: _____
3. INITIAL FLOOR SPACE REQUIRED (in 100 sq. ft. increments): _____ sq. ft.
4. ATTACH PROPOSED LAYOUT FOR SPACE. INCLUDE 7'0" x 23" POT FRAME IN LAYOUT. INDICATE BOTH INITIAL AND FUTURE GROWTH REQUIREMENTS.
5. SPECIAL REQUESTS: Attach separate sheet if necessary.

_____

_____

Section 4 - Insurance Information

1. ATTACH INSURANCE CERTIFICATES AND COPIES OF POLICIES REFLECTING COVERAGE DELINEATED IN SECTION 1 OF THE TECHNICAL PUBLICATION.

Section 5 - Technical Equipment Specifications

1. ENTER THE DESIRED QUANTITY FOR EACH OF THE FOLLOWING -48 VOLT BATTERY AND GROUND ARRANGEMENTS.

   STANDARD ARRANGEMENTS

   _____ • 2 REDUNDANT 20 AMP LOADS INTEGRATED GROUND (A & B Loads)

   _____ • 2 REDUNDANT 50 AMP LOADS INTEGRATED GROUND (A & B Loads)

PHYSICAL COLLOCATION APPLICATION FORM

ACNA: _____ CLLI: _____

Section 5 - Technical Equipment Specifications (continued)

OTHER (Describe specific requirements including whether integrated or isolated ground loads. Note that the SWBT Standard Power Arrangement comprises the following: 20 or 50 AMP redundant loads, integrated ground plane, and a secondary distribution fuse panel to be installed by SWBT)

_____

_____

_____

_____

_____

_____

_____

_____

2. SPECIFY 1 YEAR FORECAST OF -48 VOLT DC POWER: _____ AMPS.

   SPECIFY 3 YEAR FORECAST OF -48 VOLT DC POWER: _____ AMPS.

3. SPECIFY AC POWER REQUIREMENTS:

   UNPROTECTED: VOLTS: _____ REQD AMPS: _____ # OF CKTS: _____

   ESSENTIAL: VOLTS: _____ REQD AMPS: _____ # OF CKTS: _____

PHYSICAL COLLOCATION APPLICATION FORM

ACNA: _____ CLLI: _____

Section 5 - Technical Equipment Specifications (continued)

4. ONE YEAR SERVICE FORECAST - QUANTITY OF DS1: _____ DS3: _____ VG: _____

5. QUANTITY OF SWBT PROVIDED DS (1s or 3s), FIBER, OR VG PAIRS WIRED AND EQUIPPED FROM THE INTERCONNECTOR FRAME(S) TO SWBT FRAME(S):

CONNECTOR BLKS. (100 TIE PAIRS PER BLK.)	PROVIDE: _____	BLKS. -or-	_____	PAIRS
DS-1 - (84 DS1 CKTS PER PANEL) -	PROVIDE: _____	PANELS -or-	_____	CKTS
DS-3 - (24 DS3 CKTS PER PANEL) -	PROVIDE: _____	PANELS -or-	_____	CKTS
-or-				
DS-3 - (32 DS3 CKTS PER PANEL) -	PROVIDE: _____	PANELS -or-	_____	CKTS
FIBER - (12 FIBERS PER SHELF) -	PROVIDE: _____	SHELVES -or -	_____	CKTS

6. SYNCHRONIZATION REQUIRED ? ____YES ____NO (IF YES - CONTINUE)
   WILL YOU BE SYNC'ING A BITS CLOCK ? ____YES ____NO __ (IF NO STOP HERE)
   HOW MANY SYNC SOURCES DO YOU NEED ? ____ 1. ____ 2.
   TYPE OF SOURCES : _____ DS1 (FREQ SYNC): _____ CC (PHASE SYNC)

7. CONDUIT TO OTHER PHYSICALLY LOCATED INTERCONNECTOR IN THIS C.O.? _____
   CLLI: _____

Section 6 - Detailed Technical Information:

1. Requested space available date: _____

2. List all transmission equipment, by manufacturer, planned to be placed on this application:

GENERIC NAME & MANUF.	# OF BAYS	FLOOR LOADING	HEAT RELEASE

Based on receipt of a complete application, a quotation of Preparation Charges and Monthly rates will be provided by SWBT to the interconnector within 35 business days. Once the quotation of preparation charges and monthly rates have been provided, any changes by the interconnector will require a new application and new EDCs may apply.

PHYSICAL COLLOCATION APPLICATION FORM

ACNA: _____ CLLI: _____

Section 7 - OSP Cable Information

1. IS DIVERSE ENTRY REQUESTED ? _____YES _____NO

2. DIRECTIONS FROM WHICH CABLE(S) (LIMIT TWO (2)) ORIGINATES? (BE SPECIFIC):

_____

_____

3. NUMBER OF CABLES TO BE PLACED: _____ SIZE (DIAMETER) : _____

4. TYPE OF CABLE (MANUFACTURER'S NAME): _____

NOTE: SWBT OSP Engineering will provide the interconnector contact with the total length of unbroken dielectric cable to extend from outside the entrance manhole through the collocator space. The interconnector will leave sufficient cable length outside the entrance manhole to allow SWBT to fully extend the cable through the vault and into the partitioned space. Excess cable will be brought into the partitioned space and left as slack for the interconnector to install to their equipment.

5. INTERCONNECTOR CONTACT FOR REFERRING CABLE LENGTH INFORMATION:

NAME: _____ PHONE: _____

6. **FOR SWBT REFERENCE USE ONLY:**

NUMBER OF CABLE(S) TO BE PLACED IN ENTRANCE MANHOLE(S): _____

CUSTOM WORK ORDER REQUIRED? ___YES ___NO CWO #: _____

FT OF CABLE REQ'D: _____FT MAN HOLE #: _____

FT OF CABLE REQ'D: _____FT MAN HOLE #: _____

DATE INFO. PROVIDED CONTACT: _____

NAME: _____ DATE: _____

QUOTATION AND CONFIRMATION FOR COLLOCATOR
(To be completed by SWBT)

ACNA: _____ **CLLI:** _____

1. INTERCONNECTOR: _____
2. ADDRESS: _____

   CITY / STATE: _____
3. CONTACT NAME: _____

   PHONE #: _____ FAX #: _____ EMAIL: _____
4. CLASS OF SERVICE: XPQ
5. CENTRAL OFFICE: _____ CLLI: _____

   ADDRESS: _____

   CITY / STATE: _____
7. INTERCONNECTOR BILLING ACCOUNT NUMBER : _____

Estimated Arrangement Charges: MONTHLY: $_____ PREPARATION: $_____

SWBT completion (space ready) _____ days after receipt of confirmation and the appropriate payment.

Attached is SWBT provided floor space layout for this request.

PHYSICAL COLLOCATION JOB COMPLETION NOTICE
(To be completed by SWBT)

ACNA: _____ CLLI: _____

INTERCONNECTOR: _____

ADDRESS: _____

CITY / STATE: _____

CENTRAL OFFICE: _____ CITY: _____ STATE: _____

SWBT INTERCONN COORD: _____

PHONE #: _____ FAX #: _____ E MAIL: _____

CASE #: _____ CLLI: _____

CAGE ACCESS DATE: _____ EFFECTIVE BILLING DATE: _____

SWBT COMPLETION DATE: _____ MAINTENANCE REVIEW DATE: _____

ALL WORK AND NECESSARY INSPECTIONS OF THE SPECIFIED PHYSICAL COLLOCATION SPACE HAVE BEEN COMPLETED IN ACCORDANCE WITH THE COLLOCATION AGREEMENT.

EXCEPTIONS TO CONSTRUCTION WORK: _____

_____

_____

SOUTHWESTERN BELL TELEPHONE COMPANY
PROJECT MANAGEMENT

NAME : _____

SIGNATURE: _____ DATE: _____

COMPLETION FORM FORWARDED TO: SWBT INTERCONN. COORD., NSS, AND ICSC

PHYSICAL COLLOCATION JOB COMPLETION NOTICE
(To be completed by SWBT)

INTERCONNECTOR_____ ADDRESS_____

CENTRAL OFFICE_____ CITY_____ STATE_____

SWBT INTERCONN. COORD._____ TEL#_____

FAX#_____

CASE #_____ CLLI_____

POINT OF TERMINATION ADDRESS INFORMATION NEEDED TO ORDER AN INTERCONNECT CROSS CONNECT:

CIRCUIT TYPE: _____

POT FRAME DSX-CROSS-CONNECT					VG CFA CABLE INFORMATION				
FLOOR	AISLE	BAY	PANEL	JACK	CABLE	GUAGE	PAIR	LOCATION A	LOCATION Z

SOUTHWESTERN BELL TELEPHONE COMPANY

NAME (PROJECT MANAGER):_____
(Type or Print)

SIGNATURE:_____ Date:_____

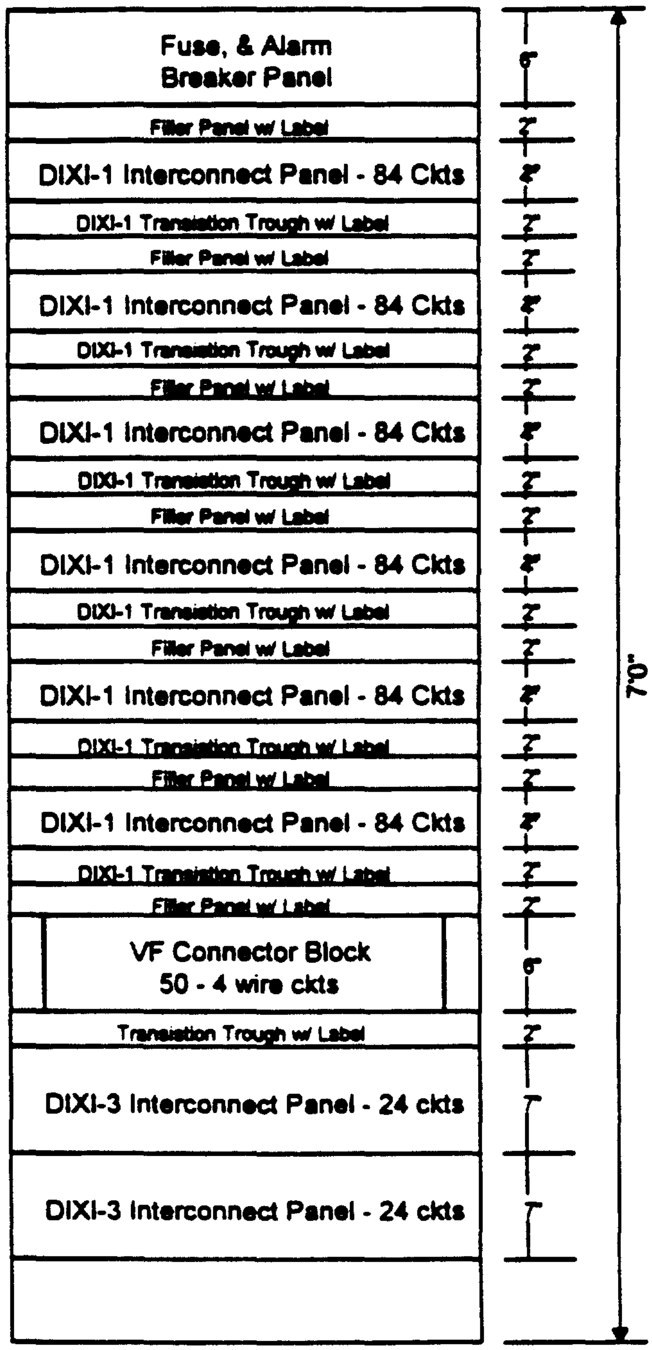
Appendix B

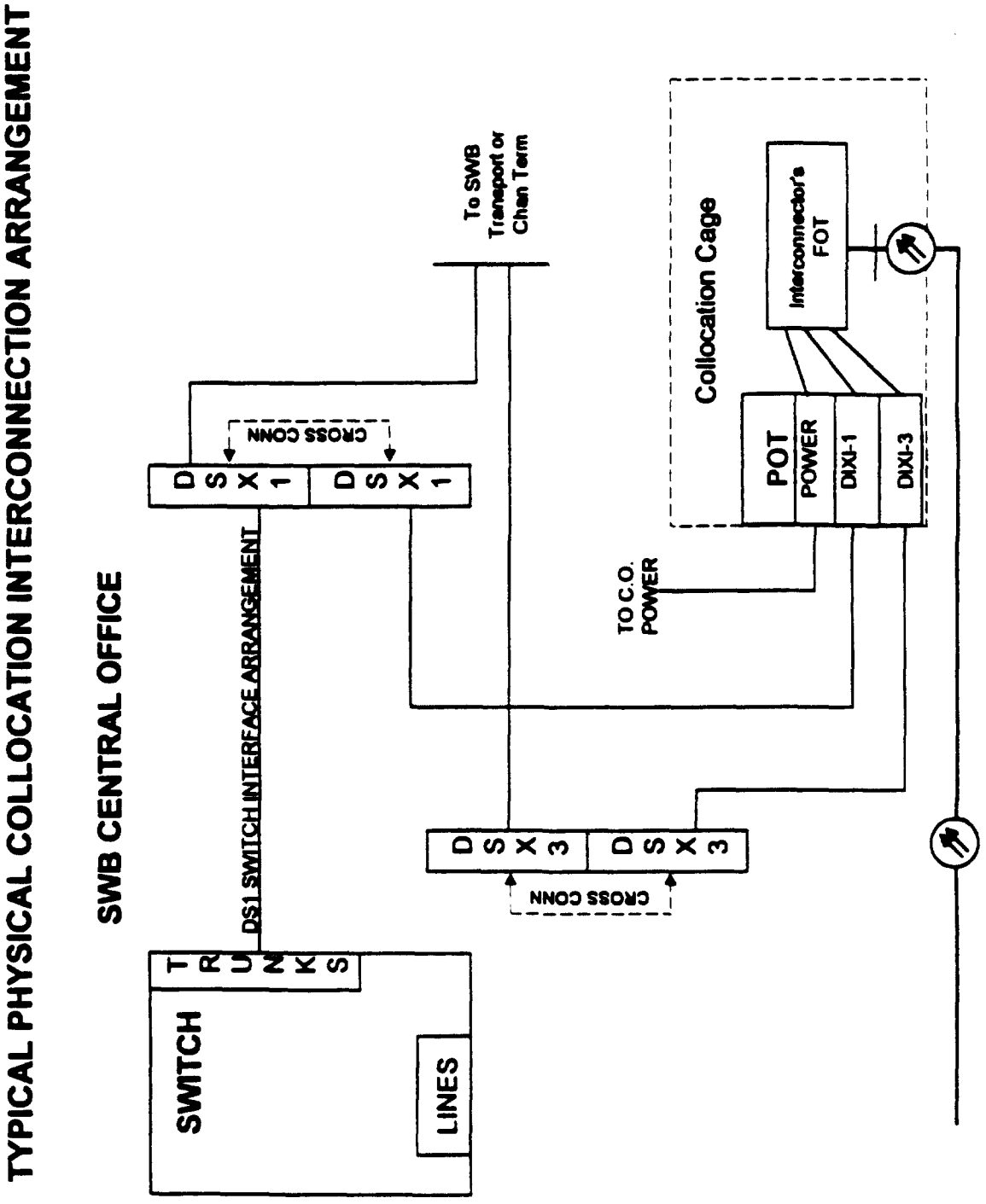
Figures and Illustrations

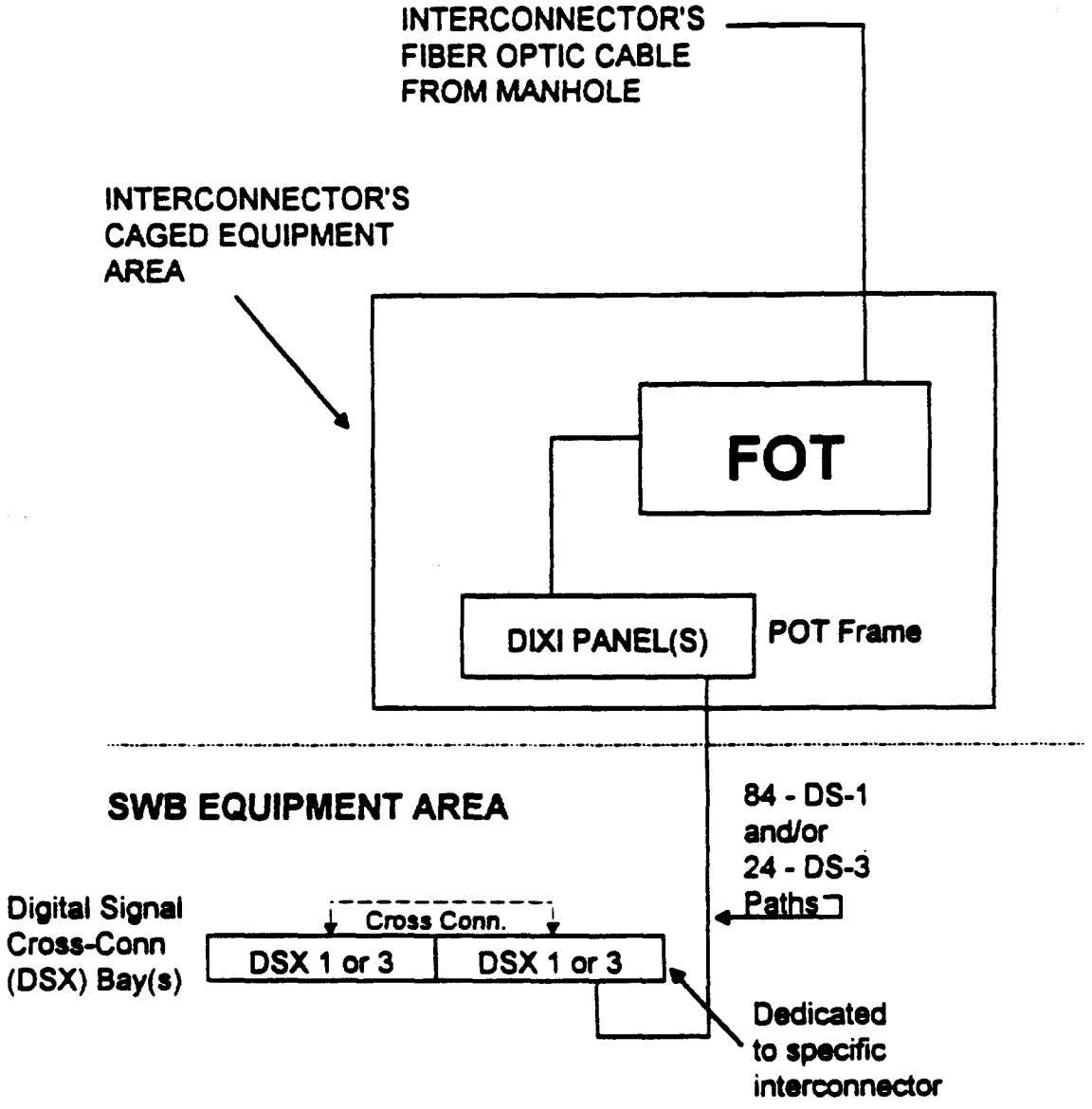
SWB Physical Collocation

Point of Termination (POT) Frame

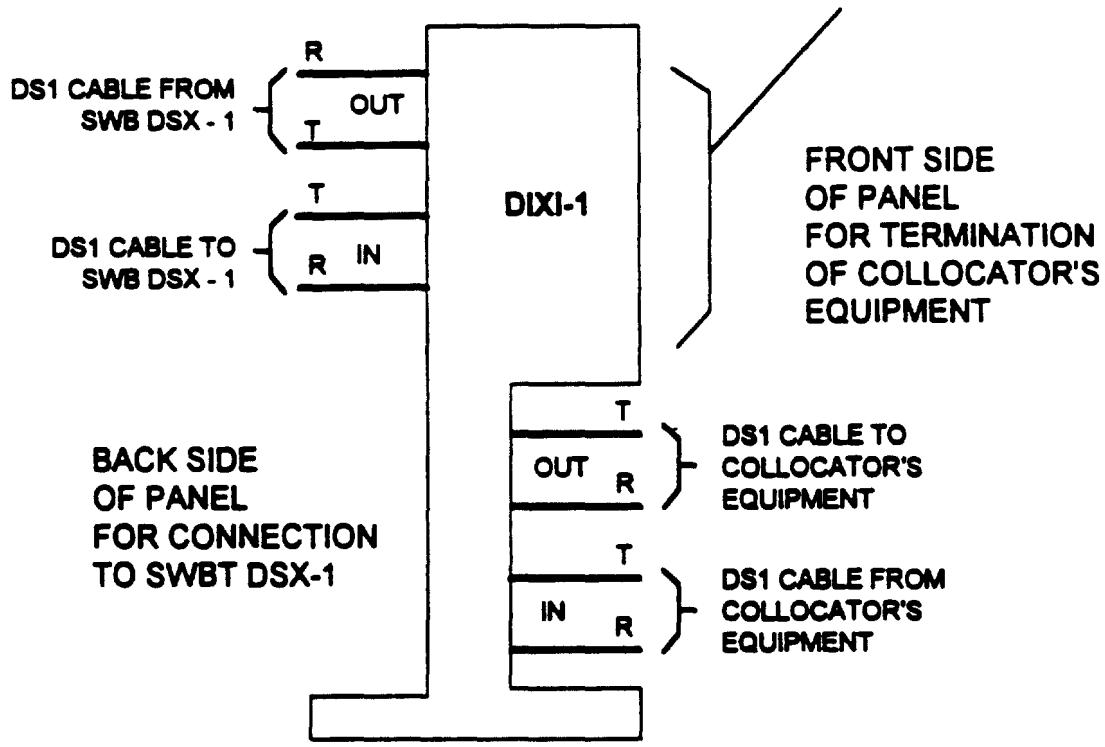
Possible Bay Layout



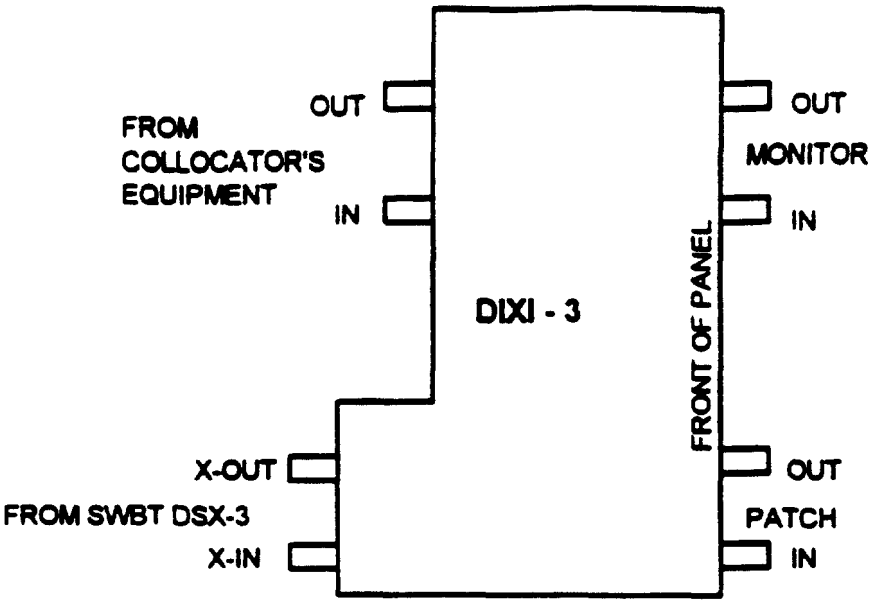

TYPICAL PHYSICAL COLLOCATION INTERCONNECTION ARRANGEMENT
SWB CENTRAL OFFICE
SWITCH
LINES
TRUNKS
DS1 SWITCH INTERFACE ARRANGEMENT
DSX 1
DSX 1
CROSS CONN
DSX 3
DSX 3
CROSS CONN
To SWB Transport or Chan Term
Collocation Cage
Interconnector's FOT
POT
POWER
DXI-1
DXI-3
TO C.O. POWER



PHYSICAL COLLOCATION NETWORK INTERFACE

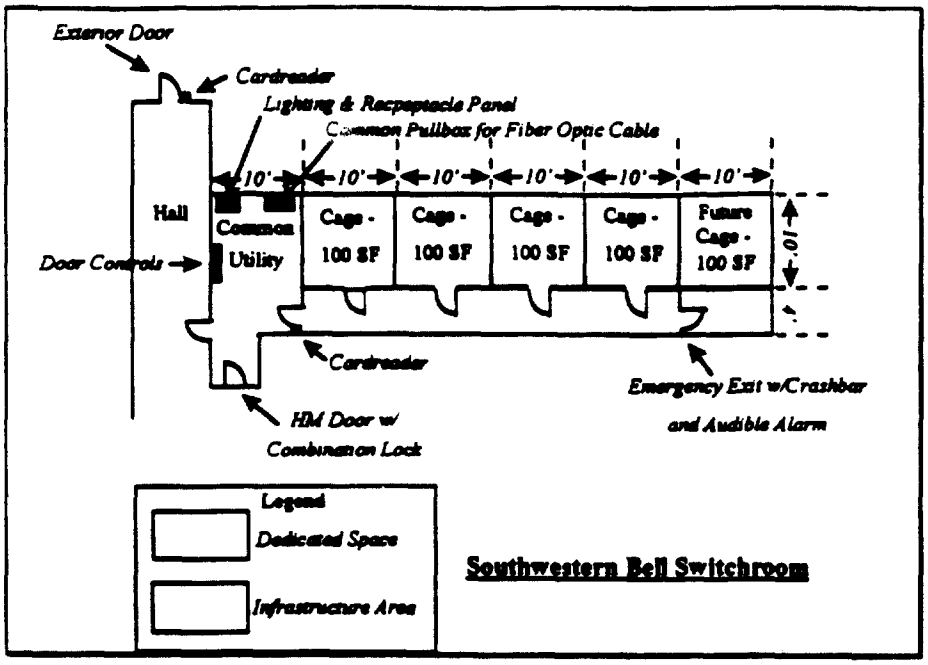


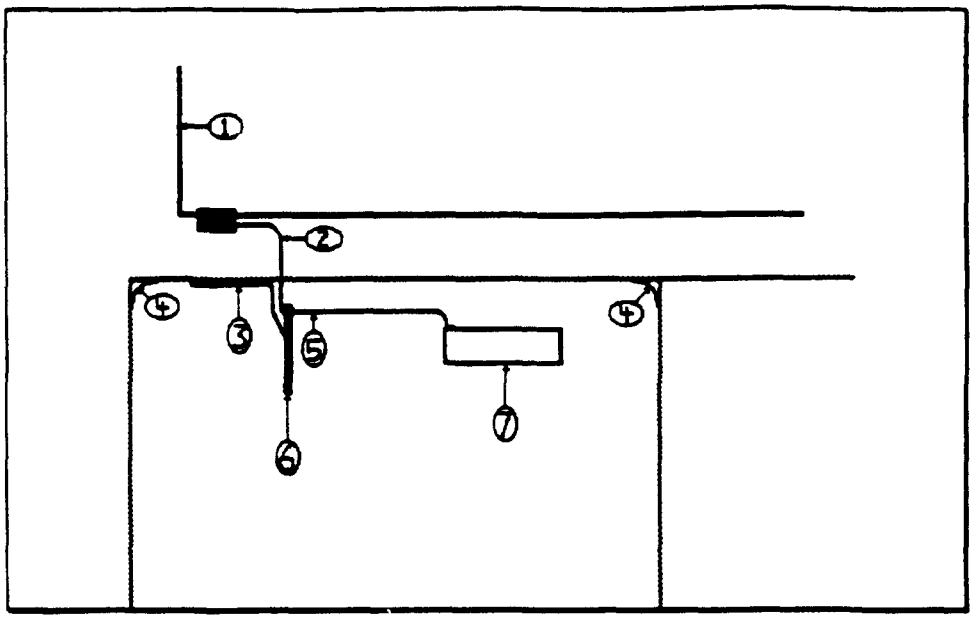
DIGITAL INTERCONNECT / CROSS CONNECT INTERFACE - 1
DIXI - 1 PANEL
SIDE VIEW OF 1 CIRCUIT



DIGITAL INTERCONNECT / CROSS CONNECT INTERFACE - 3
DIXI - 3 PANEL
SIDE VIEW OF 1 CIRCUIT

Typical Physical Collocation Floor Plan - Suitable Space





PHYSICAL COLLOCATION GROUNDING KEY

1. A Main Aisle (MA) or MA extension. It is to be a 750 MCM (kcmill) from the COG Bar on the same floor or an existing Main Aisle (MA) feeder on the same floor. It is advantageous for this to be the same conductor as used to provide ground refrence and fault protection to the Battery Distribution and Fuse Board (BDFB) serving the collocator cages.
2. Engineer determined per instructions in a) Interconnector's Technical Publication for Physical Collocation, Section 3B (3.B.1.13), b) SWBT Installation Guide, Section H, Paragraph 4.2.2, c) and other engineering design documents. Minimum size is a #2/0 AWG cable. This cable is to be connected to the MA extension with a "H" tap. It is to be connected to the Interconnector Ground Bar with a two hole irreversably crimped connector.
3. A #6 AWG conductor between the Collocator Ground Bar and the Collocator's cage. It is to be connected on both ends with two hole irreversibly crimped connectors.
4. A #6 AWG conductor between sections of the collocator's cage. It is to be connected on both ends with two hole irreversibly crimped connectors.
5. A #6 AWG conductor between the Point of Termination (POT) frame and the collocator ground bar. It is to be connected on both ends with two hole irreversibly crimped connectors. (Reference SWBT Installation Guide, Section H, Paragraph 4.2.3)
6. Collocator Ground Bar provided by SWBT and installed in or near the collocator cage on the side of the cable rack.

Point of Termination (POT) frame provided by SWBT or by the collocator.

COLLOCATION - POINT OF TERMINATION (POT) FRAME COMPONENTS

DESCRIPTION	
POT BAY FRAMEWORK (Unequal Flange Eqpt Rack)	
LIST 1	
Consists of One (1) seven foot (7'-0") bay framework equipped with (E/W) a 5 inch front guard rail and a 2 inch rear guard rail, zone 4 anchors, bay ground lead assembly, rear cable brackets and other cable management accessories.	
POT BAY POWER	
LIST 2A (20Amp/Load - 40 Amp Total)	
POT Power Panel, consisting of a two load distribution panel E/W: (2) 0 - 60 DC-type fuse blocks (1) switchable ammeter for Load A & B (1) 10 position GMT fuse block assemblies (2) 100 amp shunts for remote monitoring (1) two hole discharge ground bar assembly (1) fuse alarm PWB with relay for connecting to C.O. alarms, form C contacts and LED for Load A & B (1) Spare fuse holder Mounted on a panel to be mounted in a 23 inch relay rack. Height of panel is 6 inches. (3) 20 Amp Fuses	

DESCRIPTION	
LIST 2B (50Amp/Load - 100 Amp Total)	
POT Power Panel, consisting of two load distribution panel E/W: (2) 0 - 60 DC-type fuse blocks (1) switchable ammeter for Load A & B (1) 10 position GMT fuse block assemblies (2) 100 amp shunts for remote monitoring (1) two hole discharge ground bar assembly (1) fuse alarm PWB with relay for connecting to C.O. alarms, form C contacts and LED for Load A & B (1) Spare fuse holder Mounted on a panel to be mounted in a 23 inch relay rack. Height of panel is 6 inches. (3) 50 Amp Fuses	
DS1 TERMINATIONS	
LIST 3	
(1) 84 circuit DDXI-1, DSX-1 type panel, E/W 2 in. horizontal ring trough for interconnecting SWBT's equipment to the Interconnector's equipment	
DS3 TERMINATIONS	
LIST 4	
(1) 24-module package for equipping the DDF, DSX-3 type panel, for interconnecting SWBT's equipment to the Interconnector's equipment	

DESCRIPTION	
VG TERMINATIONS (under 1000 VG pairs) &/OR TIMING LEADS	
LIST 5A (Material required for Voice Grade & timing circuits)	
(1) Tie pair mounting bracket (1) Transition bracket	
LIST 5B (VG Blocks)	
(1) 100 pair tie block (up to 6 per panel)	
LIST 5C	
(1) Filler Panel Assembly (# determined by empty block positions)	
LIST 5D (Timing Blocks - two (2) max. per POT frame	
(2) Timing blocks (red) for 50 two wire circuits each (100 total)	
FIBER TERMINATIONS	
LIST 6A (Fiber Distributing Frame Shelf)	
(1) 12-circuit unequipped FDF Shelf, for interconnecting SWBT's dark fiber to the Interconnector's equipment	
LIST 6B	
(1) Two fiber circuit Wave Division Multiplexing (WDM) Module (12 max. per FDF shelf)	
TESTING EQUIPMENT & MISC.	
VG TESTING KIT	
LIST 7 Misc. Test Cord - One (1) per POT Frame	
(1) 6 foot Bi-directional monitor cord	

COLLOCATION - POT FRAME COMPONENTS (CONT'D)

TESTING EQUIPMENT & MISC. (CONT'D)	
DS1 TESTING KIT	
LIST 8 One (1) per POT Frame	
DIXI-1 (800 Series) DSX-1 test/patch cord kit, consisting of: (1) 6 foot blue test cord with duplex a 800 plug at one end and (2) Bantam plugs at the other end for testing through interconnection (1) 6 foot orange test cord with a duplex 800 plug at one end and (2) Bantam plugs at the other end for bi-directional monitoring through the circuit (1) 9 foot white drop and insert cord with a duplex 800 plug at one end a (2) Bantam plugs at the other end (2) Loop back plugs	

POWER CABLE	
Calculated 750 MCM power cables (battery and ground, Load A and B), "x" feet long	
OR	
Calculated 350 MCM power cables (battery and ground, Load A and B), "x" feet long	
DS1 CABLING	
Shielded cable "x" feet long, to connect 84 circuits at the POT Frame to the interconnector dedicated 84 circuit DSX-1 panel in SWBT's DSX-1 bay line-up (28 pair, 6 runs per DS1 panel)	

COLLOCATION - OTHER EQUIPMENT/CABLING

DS1 CABLING (CONT'D)	
Shielded cable (25 pair) "x" feet long to terminate POT Frame timing circuits to SWBT's Timing Panel.	
DS3 CABLING	
(1) 735A coaxial cable, "x" feet long, to connect POT to SWBT C.O. DSX-3 and straight BNC connectors (735A cable is only used when the distance from the POT bay to the DSX-3 bay is less than 200 feet). Two cables required per circuit.	
OR	
(1) 735A type, 6 pack coaxial cable, "x" feet long, to connect POT to SWBT C.O. DSX-3 and straight BNC connectors (used for multiples of 3, 6 & 12 ckts). 735A cable is only used when the distance from the POT bay to the DSX-3 bay is less than 200 feet.	
OR	
(1) 735A type, 9 pack coaxial cable, "x" feet long, to connect POT to SWBT C.O. DSX-3 and straight BNC connectors (used for multiples of 3 and 9 ckts). 735A cable is only used when the distance from the POT bay to the DSX-3 bay is less than 200 feet.	
OR	
(1) 735A type, 12 pack coaxial cable, "x" feet long, to connect POT to SWBT C.O. DSX-3 and straight BNC connectors (used for multiples of 6 & 12 ckts). 735A cable is only used when the distance from the POT bay to the DSX-3 bay is less than 200 feet.	
OR	
(1) 734A coaxial cable, "x" feet long, to connect POT to SWBT C.O. DSX-3 and straight BNC connectors (734A cable is required when the distance from the POT bay to the DSX-3 bay is more than 200 feet). Two cables required per circuit.	
FIBER CABLING	
(1) Fiber Duplex cable e/w "ST" type Fiber Optic Connectors, "x" feet long, to terminate to the "dark fiber" appearances on SWBT's OSP FDF shelf and to the FDF shelf installed in the POT Frame	

VG CABLING	
806A Non-Shielded twisted pair 26 GA., 100 pair cable, "x" feet long from Tie-Pair shelf blocks in the POT Frame to SWBT'S TMDF interconnector dedicated connecting blocks.	
CABLE RACKING AND SUPPORT	
10 foot section of Cable Rack, "x" sections long, inside cage for power cables	
10 foot section of Cable Rack for "switchboard cable", "x" sections long, inside collocation area	
10 foot section of Cable Rack and support material "x" sections long, from interconnector's designated area to SWBT's TMDF for VG terminations and to SWBT's DSX-1/DSX-3 frames	
10 foot section of Cable Rack & support material from SWBT's power equipment to interconnector's designated area.	
Single level auxiliary framing to support cable racks OR Double level auxiliary framing to support cable racks	
FIBER PROTECTION DUCT	
Vertical Fiber Protection Duct "x" feet long, inside the interconnector's designated area (2 inch)	
Horizontal fiber protection duct "x" sections long, from the OSP FDF to interconnector's designated area (2 inch, 10 foot long sections)	
VG TERMINATIONS (more than 1000 VG pairs)	
Single-Sided Low-Profile Frame e/w 2 verticals (18, 89-type 100-pair connecting blocks for a total of 1800 VG pairs per frame)	

COLLOCATION - OTHER EQUIPMENT/CABLING

VG TERMINATIONS (more than 1000 VG pairs) CONT'D	
89-type 100-pair Connecting Blocks (18 per SSLP Frame)	
89-type 100-pair Connecting Blocks for SWBT's TMDF	
POT FRAME AND CAGE GROUND CABLING	
(1) #2 ground cable, "x" feet long, to ground Pot frame and cage to CO ground (1) Set of termination material	